

This circular will be sent regularly to all who apply for it.

United States Department of Agriculture,

WASHINGTON, D. C., *July 31, 1916.*

MONTHLY LIST OF PUBLICATIONS.

[JULY, 1916.]

HOW TO SECURE PUBLICATIONS.

A copy of any of the publications listed herein, including those with price named, except the *Journal of Agricultural Research*, *Experiment Station Record*, *Service and Regulatory Announcements*, and publications of the *Weather Bureau*, may be obtained free upon application to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply of the publications listed below is exhausted, those publications of which the price is indicated can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

No price is quoted for Farmers' Bulletins for the reason that the department's supply of the current numbers is ordinarily sufficient to make it possible to send them free to all applicants.

Corn Culture in the Southeastern States. By C. H. Kyle, Assistant physiologist, Office of Corn Investigations. Pp. 19, figs. 11. Contribution from the Bureau of Plant Industry. July 19, 1916. (*Farmers' Bulletin 729.*)

For distribution in North Carolina, South Carolina, Georgia, Florida, and Alabama.

Ginseng Diseases and Their Control. By H. H. Whetzel, Collaborator, J. Rosenbaum, Mycologist, J. W. Brann, formerly Agent, and J. A. McClintock, Collaborator, Office of Cotton and Truck Disease Investigations. Pp. 23, figs. 26. Contribution from the Bureau of Plant Industry. July 17, 1916. (*Farmers' Bulletin 736.*)

Contains the results of cooperative work between the Bureau of Plant Industry, the New York (Cornell) Agricultural Experiment Station, the Wisconsin Agricultural Experiment Station, and the Michigan Agricultural Experiment Station.

House Ants: Kinds and Methods of Control. By C. L. Marlatt, Entomologist and Assistant Chief. Pp. 12, figs. 5. Contribution from the Bureau of Entomology. July 8, 1916. (*Farmers' Bulletin 740.*)

For general distribution.

The Alfalfa Weevil and Methods of Controlling It. By George I. Reeves and Philip B. Miles, Entomological Assistants, and Thomas R. Chamberlin, Sterling J. Snow, and Luther J. Bower, Scientific Assistants, Cereal and Forage Insect Investigations. Pp. 16, figs. 7. Contribution from the Bureau of Entomology. July 17, 1916. (*Farmers' Bulletin 741.*)

Describes the work and spread of the most dreaded pest of alfalfa in the United States. It is of interest in the region west of the Mississippi River, particularly Utah and the adjacent States.

The Feeding of Dairy Cows. By Helmer Rabild, H. P. Davis, and W. K. Brainerd, of the Dairy Division. Pp. 23. Contribution from the Bureau of Animal Industry. July 24, 1916. (*Farmers' Bulletin 743.*)

Contains suggestions for both summer and winter feeding and information concerning balanced rations composed of different feeding stuffs.

The Farmer's Income. By E. A. Goldenweiser, Statistician. Pp. 8, fig. 1. Contribution from the Office of Farm Management, Office of the Secretary. July 6, 1916. (**Farmers' Bulletin 746.**)

Is based on a circular on this subject by W. J. Spillman, issued July 19, 1913, on Bulletin 635, entitled "What the Farm Contributes Directly to the Farmer's Living," by W. C. Funk, and on Statistics collected by the Office of Farm Management and the Demonstration Service, of this department, by the Bureau of the Census, the Bureau of Labor, and the Immigration Commission.

A Simple Steam Sterilizer for Farm Dairy Utensils. By S. Henry Ayers, Bacteriologist, and George B. Taylor, Market Milk Specialist, Dairy Division. Pp. 11, figs. 8. Contribution from the Bureau of Animal Industry. July 22, 1916. (**Farmers' Bulletin 748.**)

For general distribution.

DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

The Results of Physical Tests of Road-Building Rock. By Prevost Hubbard, Chemical Engineer, and Frank H. Jackson, Jr., Assistant Testing Engineer. Pp. 100, chart, 1. Contribution from the Office of Public Roads and Rural Engineering. (Professional Paper.) July 20, 1916. (**Department Bulletin 370.**) Price, 15 cents.

Of interest to Road Engineers and Contractors.

Cotton Boll-Weevil Control in the Mississippi Delta, With Special Reference to Square Picking and Weevil Picking. By B. R. Coad, Entomological Assistant, Southern Field Crop Insect Investigations. Pp. 12. Contribution from the Bureau of Entomology. July 8, 1916. (**Department Bulletin 382.**) Price, 5 cents.

Is intended to give practical advice to the cotton raisers of the Mississippi Delta on the subject of controlling the boll weevil.

School Credit for Home Practice in Agriculture. By F. E. Heald, Specialist in Agricultural Education. Pp. 27. Contribution from the States Relations Service. (Professional Paper.) July 25, 1916. (**Department Bulletin 385.**) Price, 5 cents.

Is intended to assist superintendents and teachers of rural schools who desire to use home practice in agriculture as an educational feature, giving proper rank and credit on the school records.

Costs and Sources of Farm-Mortgage Loans in the United States. By C. W. Thompson, Specialist in Rural Organization. Pp. 16, pls. 5. Contribution from the Office of Markets and Rural Organization. July 31, 1916. (**Department Bulletin 384.**) Price, 10 cents.

The aim of this bulletin is to indicate briefly some of the results obtained from a study bearing on interest rates and commissions on farm-mortgage loans and the sources of such loans in the United States.

MISCELLANEOUS.

Automobile Registrations, Licenses, and Revenues in the United States, 1915. (Prepared by the Division of Road Economics, Office of Public Roads and Rural Engineering.) Pp. 15. July 6, 1916. (**Circular No. 59, Office of the Secretary.**) Price, 5 cents.

Amortization Methods for Farm Mortgage Loans. By Leon E. Truesdell, Field Assistant in Rural Organization, and C. W. Thompson, Specialist in Rural Organization. Pp. 12. July 14, 1916. (**Circular No. 60, Office of the Secretary.**) Price, 5 cents.

Should be of interest to all farmers who are contemplating the borrowing of money to be repaid on the amortization plan, as well as to others who are concerned with the problems of farm mortgage credit.

Factors of Apportionment to States Under Federal Aid Road Act Appropriation for the Fiscal Year 1917. Pp. 2. July 21, 1916. (**Circular 62, Office of the Secretary.**) Price, 5 cents.

Irrigated Pastures for Northern Reclamation Projects. By F. D. Farrell, Agriculturist in Charge. Pp. 16, figs. 2. July 26, 1916. (**D. R. P. 2, Bureau of Plant Industry.**) Price, 5 cents.

Not suited to conditions in California, Nevada, Arizona, New Mexico, and Texas.

REPORTS.

Report of the Guam Agricultural Experiment Station, 1915. Pp. 43, pls. 7; figs. 4. July 8, 1916. Price, 10 cents.

Meat Situation in the United States. Pt. 1. Statistics of Live Stock, Meat Production and Consumption, Prices, and International Trade for Many Countries. By George K. Holmes, Bureau of Crop Estimates. Pp. 307, figs. 32. July 3, 1916. (Report 109, Office of the Secretary.) Price, 35 cents.

Meat Situation in the United States. Pt. 2. Live Stock Production in the Eleven Far Western Range States. Based on Reports from Stockmen and County Correspondents. By Will C. Barnes and James T. Jardine, Forest Service. Pp. 100, pls. 4, maps 2. July 1, 1916. (Report 110, Office of the Secretary.) Price, 15 cents.

Meat Situation in the United States. Pt. 3. Methods and Cost of Growing Beef Cattle in the Corn Belt States. By J. S. Cotton and Morton C. Cooper, Office of Farm Management, and W. F. Ward, Bureau of Animal Industry. Pp. 64, pls. 5, figs. 2. July 1, 1916. (Report 111, Office of the Secretary.) Price, 15 cents.

NOTE.—These reports show the results of various independent inquiries dealing with several phases of the meat industry undertaken by specialists of the Department, at the suggestion of a committee appointed in 1914 by the Secretary to consider the economics of the meat situation.

The Department's supply is exhausted; therefore send remittances to the Superintendent of Documents direct, and not to this Office.

SERIALS.

Journal of Agricultural Research. (Issued weekly. For sale only.)

Vol. 6, No. 14. July 3, 1916. Contents: California Lacewing Fly. By V. L. Wildermuth.—Rape as Material for Silage. By A. R. Lamb and John M. Evvard.—Effect of Autolysis upon Muscle Creatin. By Ralph Hoagland and C. N. McBryde. Pp. 515-547, figs. 7. Price, 10 cents.

Same, No. 15. July 10, 1916. Contents: Storage-Rots of Economic Aroids. By L. L. Harter.—Experiments with Clean Seed Potatoes on New Land in Southern Idaho. By O. A. Pratt. Pp. 549-575, pls. LXXXI-LXXXIII, fig. 1. Price, 15 cents.

Same, No. 16. July 17, 1916. Contents: Digestibility of Very Young Veal. By C. F. Langworthy and A. D. Holmes.—Influence of Calcium and Magnesium Compounds on Plant Growth. By F. A. Wyatt.—Larval Characters and Distribution of Two Species of Diatraea. By T. E. Holloway. Pp. 577-626, pls. LXXXIV-LXXXIX, fig. 1. Price, 15 cents.

Same, No. 17. July 24, 1916. Contents: The Disease of Potatoes Known as "Leak." By Lon A. Hawkins.—Digestibility of Hard Palates of Cattle. By C. F. Langworthy and A. D. Holmes.—Some Properties of the Virus of the Mosaic Disease of Tobacco. By H. A. Allard. Pp. 627-674, pls. XC-XCI, fig. 1. Price, 15 cents.

NOTE.—Beginning with Volume 5, The Journal of Agricultural Research will be issued weekly and distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. *It will not be sent free to individuals.* The Superintendent of Documents will receive subscriptions for this publication, the price being \$3 per year, 52 numbers.

Experiment Station Record. Vol. XXXIV, No. 8, June, 1916. E. W. Allen, Ph. D., Editor. Pp. 701-800. Price, 15 cents.

Same, Vol. XXXIV, No. 9. Abstract Number. Pp. 801-900. Price, 15 cents.

NOTE.—The record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, ten numbers each, at \$1 a volume.

The Monthly Crop Report. Vol. 2, No. 7, July, 1916. Pp. 61-72. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.



SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Walker County, Alabama. By J. O. Veatch, of the U. S. Department of Agriculture, in Charge, and A. M. O'Neal, Jr., and J. F. Stroud, of the Alabama Department of Agriculture and Industries. Pp. 30, fig. 1, map. (From F. O. Soils, 1915.) Price, 15 cents.

Soil Survey of Polk County, Georgia. By David D. Long, of the Georgia State College of Agriculture, and Mark Baldwin, of the U. S. Department of Agriculture. Pp. 46, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Soil Survey of Pennington County, Minnesota. By William G. Smith, N. M. Kirk, and Freeman Ward. Pp. 28, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Soil Survey of Roger Mills County, Oklahoma. By J. A. Kerr, J. H. Agee, and E. C. Hall. Pp. 32, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Soil Survey of Lancaster County, Pennsylvania. By B. D. Gilbert and W. B. Cobb, of the U. S. Department of Agriculture, and Earl L. Moffitt and J. F. Cox, of the Pennsylvania State College. Pp. 70, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

Soil Survey of Brazos County, Texas. By J. O. Veatch and C. S. Waldrop. Pp. 53, fig. 1, map. (From F. O. Soils, 1914.) Price, 15 cents.

PUBLICATIONS OF THE WEATHER REVIEW.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Monthly Weather Review. (For sale only.) Vol. 44, No. 4. April, 1916. [July 1, 1916.] Pp. 177-242, charts 9, figs. 13. Price, 25 cents a copy, \$2.50 a year. Payable to the Superintendent of Documents.

Special articles: Solar and sky radiation measurements during April, 1916. By H. H. Kimball.—Total radiation received on a horizontal surface from the sun and sky at Madison, Wis., April, 1911, to March, 1916. By H. H. Kimball and E. R. Miller.—Local circulation of the atmosphere. By W. H. Dines.—The planetary system of convection. By W. R. Blair.—The average internal curve and its application to meteorological phenomena. By W. J. Spillman, H. R. Tolley, and W. G. Reed.—A correlation between the rainfall of North and South America. By H. Helm Clayton.—Report of the meteorological station at Berkeley, Cal., 1914. By W. G. Reed.—A centigrade thermometer scale preferred.—Marcellus Hartley Memorial Medal, 1916.—Use of "Indian summer" in 1778?—Need of Pan American meteorological cooperation.—Symons Memorial Medal, 1912.

Daily River Stages at River Gage Stations on the Principal Rivers of the United States. By Alfred J. Henry, Professor of Meteorology. Pp. 176. 4to. Price, 25 cents.

National Weather and Crop Bulletin, Nos. 16, 17, 18, 19, July, 1916, reporting temperature, rainfall, and crop conditions throughout the United States. (Issued weekly, on Wednesday, April to October; monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division Publications.